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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/922,062	08/02/2001	Christoph A. Aktas	2001 P 13667 US	7581

7590 10/15/2004

Siemens Corporation
Attn: Elsa Keller, Legal Administrator
Intellectual Property Department
186 Wood Avenue South
Iselin, NJ 08830

EXAMINER

CLARK, ISAAC R

ART UNIT	PAPER NUMBER
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2154

DATE MAILED: 10/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/922,062	Applicant(s) AKTAS ET AL.	
	Examiner Isaac R Clark	Art Unit 2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 August 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>04/22/2002</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-20 are presented for examination.

Priority

2. No claim for priority has been made in this application.
3. The effective filing date for the subject matter in the pending claims in this application is 08/02/2001.

Drawings

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "target device" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
5. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of

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the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

6. Claims 9-12 are objected to because of the following informalities:

In claims 9-12, the word "mobile" is incorrectly spelled "mobil".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 1-3, and 13-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Owens et al. (US 6,633,630) hereinafter Owens.

9. As per claim 1, Owens discloses a multimedia mailbox system (Abstract, col. 5, lines 14-25), comprising: a message store 10 for storing multimedia messages (Fig. 1; col. 5, lines 59-65); and a conversion means for converting messages in one medium to messages in another medium (col. 7, lines 34-37; text to speech conversion), said conversion means being sensitive to the type of target device being used to access the stored message (col. 7, lines 39-48).

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10. As per claim 2, Owens discloses a system according to claim 1 wherein said conversion means includes at least two selected from the group consisting of a text to speech converter, a speech to text converter, and a fax to text converter (col. 7, lines 34-37, text to speech conversion; col. 7, lines 39-48, speech to text conversion).

11. As per claim 3, Owens discloses a system according to claim 1 further comprising means for determining the type of target device being used to access the stored message (col. 10, lines 52-56).

12. As per claim 13, claim 13 is a method claim describing the process performed by the apparatus in claim 1. Claim 13 is rejected for the same reasons as claim 1.

13. As per claim 14, claim 14 is rejected for the same reasons as claim 2.

14. As per claim 15, claim 15 is rejected for the same reasons as claim 3.

Claim Rejections - 35 USC § 103

15. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

16. Claims 4-7, 9-12, and 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Owens et al. (US Patent 6,633,630) hereinafter Owens in view of Lo et al. (US Patent 6,523,040) hereinafter Lo.

17. Owens fails to explicitly teach a system according to claim 1 further comprising means for summarizing message contents based on the type of target device being used to access the stored message.

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18. Lo teaches a mailbox system with a means for summarizing message contents based on the type of the target device being used to access the stored message (col. 3, lines 55-52).

19. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Lo to summarize the contents of stored messages in a multimedia mailbox based on the target device being used to access the messages because they both deal with accessing data through a diverse set of client devices. Furthermore, the teaching of Lo to produce a summary based on the type of access device would allow compressing the summary so that it is viewable on devices with limited display capabilities (Lo, col. 2, lines 8-12).

20. As per claim 5, Owens teaches a mailbox system (Abstract, col. 5, lines 14-25) comprising: a message store 10 for storing text messages (Fig. 1; col. 5, lines 23-25).

21. Owens fails to teach means for summarizing the message content of a stored text message that operates as a function of the type of target device being used to access the stored text message.

22. Lo teaches a mailbox system with a means for summarizing message contents based on the type of the target device being used to access the stored message (col. 3, lines 55-52).

23. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Lo to summarize the contents of stored text messages in a mailbox based on the target device being used to access the messages because they both deal with accessing data through a diverse set

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of client devices. Furthermore, the teaching of Lo to produce a summary based on the type of access device would allow compressing the summary so that it is viewable on devices with limited display capabilities (Lo, col. 2, lines 8-12).

24. As per claim 6, Owens fails to explicitly teach the system according to claim 5 wherein said means for summarizing is operative to summarize a stored message based on a predefined set of target device related parameters.

25. Lo teaches a means for summarizing is operative to summarize a stored message based on a predefined set of target device related parameters (col. 3, lines 59-60; summarization based on specification of the viewing device.

26. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Lo to summarize the contents of stored text messages in a mailbox based on based on a predefined set of target device related parameters because they both deal with accessing data through a diverse set of client devices. Furthermore, the teaching of Lo to produce a summary based on predetermined access device parameters would allow compressing the summary so that it is viewable on devices with limited display capabilities (Lo, col. 2, lines 8-12).

27. As per claim 7, Owens fails to explicitly teach the system according to claim 6 wherein said predefined set of target device related parameters includes target device display size.

28. Lo teaches summarizing text based on a predefined set of target device related parameters includes target device display size (col. 1, lines 25-28).

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29. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Lo to summarize the contents of stored text messages in a mailbox based on based on the size of the display of the target device because they both deal with accessing data through a diverse set of client devices. Furthermore, the teaching of Lo to produce a summary based on the size of the target device display would allow compressing the summary so that it is viewable on devices with limited display capabilities (Lo, col. 2, lines 8-12).

30. As per claim 7, Owens fails to explicitly teach the system according to claim 6 wherein said predefined set of target device related parameters includes target device display size.

31. As per claim 9, Owens teaches the system as set forth in claim 5 wherein said target device is a mobile device (col. 10, lines 35-40).

32. As per claim 10, Owens teaches the system as set forth in claim 9 wherein said mobile device is a pager (col. 10, lines 35-40).

33. As per claim 11, Owens fails to explicitly teach the system as set forth in claim 9 wherein said mobile device is a PDA.

34. Lo teaches the use of a system summarizing content for display on a PDA (col. 1, lines 30-35).

35. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Lo to summarize the contents of stored text messages in a mailbox for display on a PDA because they both deal with accessing data through a diverse set of client devices. Furthermore, the

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teaching of Lo to produce a summary based on the type of access device parameters of a cell phone would allow accommodating a popular device with limited display capability (col. 38-42).

36. As per claim 12, Owens fails to explicitly teach the system as set forth in claim 9 wherein said mobile device is a cell phone.

37. Lo teaches the use of a system summarizing content for display on a cell phone (col. 1, lines 14-20).

38. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Lo to summarize the contents of stored text messages in a mailbox for display on a cell phone because they both deal with accessing data through a diverse set of client devices. Furthermore, the teaching of Lo to produce a summary based on the type of access device parameters of a cell phone would allow accommodating a popular device with limited display capability (col. 1, lines 21-28).

39. As per claim 16, claim 16 is rejected for the same reasons as claim 4.

40. As per claim 17, claim 17 is rejected for the same reasons as claim 5.

41. As per claim 18, claim 18 is rejected for the same reasons as claim 6.

42. As per claim 19, claim 19 is rejected for the same reasons as claim 7.

43. Claims 8 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Owens and Lo as applied to claims 6 and 18 above, further in view of Horvitz et al (US Published Application 2004/0143636) hereinafter Horvitz.

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44. As per claim 8, Owens fails to teach that the predefined set of target device related parameters includes target device buffer size.

45. Horvitz teaches a text summarizing system where the summarizing method depends on the size of the display buffer (Paragraph 0256).

46. It would have been obvious to one of ordinary skill in this art at the time the invention was made to combine the teaching of Owens and Horvitz to include as a parameter for summarizing text the display size of the buffer because they both tailoring content for viewing on a variety of client devices. Furthermore, the teaching of Horvitz to take into account the size of the target device buffer when summarizing text would allow providing a more detailed summary to devices with large amounts of memory while providing a more limited summary to devices with less available buffer space (Paragraph 0256).

47. As per claim 20, claim 20 is rejected for the same reasons as claim 8.

Conclusion

48. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and publications are cited to further show the state of the art with respect to "Methods and apparatus for performing media/device sensitive processing of messages stored in unified multimedia and plain text mailboxes".

- i. Martin US 6,606,373 Summarizing/translating
messages using keywords.

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- ii. Ayyadurai US 6,718,368 Analysis of text messages including, OCR of facsimile, automated replies
- iii. Griffith et al. US 6,366,651 Automatic forwarding of messages after conversion to text or audio format.
- iv. Nelson US 6,061,718 Multimedia message handling system with format conversion and transmission to mobile station
- v. Tullis et al. US 5,802,314 Multimedia message handling system with conversion of images, faxes, and voice to text.
- vi. Cohen et al. US 4,837,798 Unified multimedia mailbox system with automated notification of messages
- vii. Pollack et al. US 6,578,025 Summarizing based on user profiles
- viii. Buyukkokten, O et al., Power Browser: Efficient Web Browsing for PDAs, April 2000, ACM Proceedings of CHI 2000, pp 430-437
Summarizing for limited display size target devices.

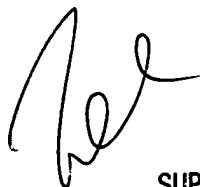
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac R Clark whose telephone number is (571)272-3961. The examiner can normally be reached on Monday-Friday 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (571)272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Irc

A handwritten signature in black ink, appearing to read 'JF', is positioned above the printed name and title.

JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100